

DOE Strategic Plan (2017)

DCOI Metrics		Target Goals	FY16		FY17		FY18		Explanation for Unmet Planned Value
			Planned	DOE Actuals	Planned	Actuals	Planned	Actuals	
Facility Utilization		≥ 80%	42%	42%	55%	40%	80%		FY17 Targets on Schedule
Energy Metering		100%	64%	64%	75%	69%	100%		FY17 Targets on Schedule
PUE		≤ 1.5	1.7	1.7	1.6	1.6	1.5		FY17 Targets Met
Virtualization		≥ 4	2.3	2.3	3.0	3.2	4.0		FY17 Targets Exceeded
Server Automated Monitoring	Tiered	≥ 65%	3%	3%	15%	5%	65%		FY17 Targets on Schedule
	Non-Tiered	≥ 65%	7%	7%	15%	6%	65%		FY17 Targets on Schedule
Closures	Tiered	0	0	3	0	4	0		FY17 Targets Exceeded
	Non-Tiered	25	2	2	6	12	25		FY17 Targets Exceeded
Cost Savings / Avoidance		0	0	\$1,067K	0	\$781.4K	0		FY17 Targets Exceeded
Cost of Closures		A reported \$365K for cost of closures was reported in the latest inventory update							
Cost of Optimization		No reported optimization expenses (costs) were reported in the latest inventory update							
Historical Cost Savings		Energy has captured the following historical cost savings/avoidance: 2010-2012 - \$10,578K; 2013 - \$3,158K; 2014 – \$1,371K; and 2015 – \$2,064K							

datacenteroptimizationstrategicplan (04.12.17).json

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{
  "optimizationMetrics": {
    "facilityUtilization": {
      "fy18OMBtarget": 80,
      "fy16Planned": 42,
      "fy16Achieved": 41,
      "fy17Planned": 55,
      "fy17Achieved": 40,
      "fy18Planned": 80,
      "explanationForUnmetPlannedValues": "FY17 Targets on Schedule"
    },
    "energyMetering": {
      "fy18OMBtarget": 100,
      "fy16Planned": 64,
      "fy16Achieved": 64,
      "fy17Planned": 75,
      "fy17Achieved": 69,
      "fy18Planned": 80,
      "explanationForUnmetPlannedValues": "FY17 Targets on Schedule"
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}
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"pue": {
    "fy18OMBtarget": 1.5,
    "fy16Planned": 1.7,
    "fy16Achieved": 1.7,
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    "fy17Achieved": 1.6,
    "fy18Planned": 1.5,
    "explanationForUnmetPlannedValues": "FY17 Targets Met"
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"virtualization": {
    "fy18OMBtarget": 4,
    "fy16Planned": 2.3,
    "fy16Achieved": 2.3,
    "fy17Planned": 3,
    "fy17Achieved": 3.2,
    "fy18Planned": 4,
    "explanationForUnmetPlannedValues": "FY17 Targets Exceeded"
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"tieredServerUtAutoMonitoring": {
    "fy18OMBtarget": 65,
    "fy16Planned": 3,
    "fy16Achieved": 3,
    "fy17Planned": 15,
    "fy17Achieved": 5,
    "fy18Planned": 65,
    "explanationForUnmetPlannedValues": "FY17 Targets on Schedule"
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"nontieredServerUtAutoMonitoring": {
    "fy18OMBtarget": 65,
    "fy16Planned": 7,
    "fy16Achieved": 7,
    "fy17Planned": 15,
    "fy17Achieved": 6,
    "fy18Planned": 65,
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    "explanationForUnmetPlannedValues": "FY17 Targets on Schedule"
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"tieredClosures": {
    "fy18OMBtarget": 0,
    "fy16Planned": 0,
    "fy16Achieved": 3,
    "fy17Planned": 0,
    "fy17Achieved": 4,
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        "fy18Planned": 0,
        "explanationForUnmetPlannedValues": "FY17 Targets Exceeded"
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    "nontieredClosures": {
        "fy18OMBtarget": 25,
        "fy16Planned": 2,
        "fy16Achieved": 2,
        "fy17Planned": 6,
        "fy17Achieved": 12,
        "fy18Planned": 25,
        "explanationForUnmetPlannedValues": "FY17 Targets Exceeded"
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    "costSavings": {
        "fy18OMBtarget": 0,
        "fy16Planned": 0,
        "fy16Achieved": 1.067,
        "fy17Planned": 0,
        "fy17Achieved": 0.781,
        "fy18Planned": 0,
        "explanationForUnmetPlannedValues": "FY17 Targets Exceeded",
        "costsOfClosures": "A reported $365K for cost of closures was reported in the latest
inventory update",
        "costsOfOptimization": "No reported optimization expenses (costs) were reported in the
latest inventory update",
        "historicalCostSavings": "Energy has captured the following historical cost
savings/avoidance: 2010-2012 - $10,578K; 2013 - $3,158K; 2014 – $1,371K; and 2015 – $2,064K"
    }
}

```